



IFW

PATENT
Attorney Docket No.: **042715-5019**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: **Yoshiya ODA et al.**)
Application No. **10/579,780**) Art Unit: **Unassigned**
Filed: **May 18, 2006**) Examiner: **Unassigned**
For: **Quantitation Method Using Isotope**)
Labeled Internal Standard Substance,)
Analysis System for Executing the)
Quantitation Method, and Program)
for the Analysis)

Commissioner for Patents
U.S. Patent and Trademark Office
Customer Window, Mail Stop Amendment
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Sir:

INFORMATION DISCLOSURE STATEMENT

UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicants petition the Examiner to consider this Information Disclosure Statement and documents listed on the attached PTO-1449. To the best of the undersigned's knowledge, this Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits for the above-referenced Application. Accordingly, Applicants do not believe a fee is due for filing this Information Disclosure Statement.

With the exception of the U.S. Patents, copies of the listed documents are enclosed. Applicants respectfully request that the Examiner initial and return the Form PTO-1449, indicating that the information has been considered and made of record herein.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or

constitute "prior art." If it should be determined that the listed documents constitute "prior art" under United States law, Applicants reserve the right to present to the office the relevant facts and law regarding the appropriate status of such document.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

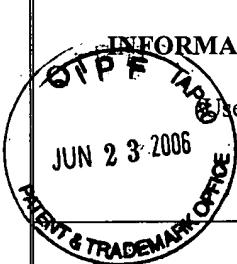
EXCEPT for issue fees payable under 37 C.F.R. § 1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. §§1.16 and 1.17 which may be required, including any required extension of time fees, or to credit any overpayment to Deposit Account No. 50-0310. This paragraph is intended to be a **CONSTRUCTIVE PETITION FOR EXTENSION OF TIME** in accordance with 37 C.F.R. § 1.136(a)(3).

Dated: **June 23, 2006**
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Respectfully submitted,
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INFORMATION DISCLOSURE CITATION

Use several sheets if necessary

 PTO Form 1449
 June 23, 2006

 Attorney Docket No.
042715-5019

 Application No.
10/579,780

 Applicants: Yoshiya ODA *et al.*
Page 1 of 2

Filing Date: May 18, 2006

Group Art Unit: Unassigned

U.S. PATENT DOCUMENTS

Initial		Document No.	Date	Name	Class	Sub-Class	Filing Date
	1.	US 6,391,649 B1	May 21, 2002	Chait <i>et al.</i>	436	173	May 4, 1999

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub-Class	Translation
	2.	WO 03/016861	02/27/2003	PCT			
	3.	JP P 2003-107066 A	09/04/2003	Japan			Abstract
	4.	JP P 2000-131305 A	12/05/2000	Japan			Abstract

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

5.	"Post-Genomic Mass Spectrometry" 1993, pp. 39-72, Toshimitsu Niwa Ed., Kagakudojin (English translation of abstract enclosed)
6.	Cagney <i>et al.</i> "De novo peptide sequencing and quantitative profiling of complex protein mixtures using mass-coded abundance tagging" Nat Biotechnol. 2002 Feb;20(2):163-170
7.	Drewes <i>et al.</i> "Global approaches to protein-protein interactions" Curr Opin Cell Biol. 2003 Apr;15(2):199-205
8.	Gavin <i>et al.</i> "Protein complexes and proteome organization from yeast to man" Curr Opin Chem Biol. 2003 Feb;7(1):21-27
9.	Gerber <i>et al.</i> "Absolute quantification of proteins and phosphoproteins from cell lysates by tandem MS" Proc Natl Acad Sci U S A. 2003 Jun 10;100(12):6940-6945. Epub 2003 May 27
10.	Goodlett <i>et al.</i> "Differential stable isotope labeling of peptides for quantitation and de novo sequence derivation" Rapid Commun Mass Spectrom. 2001;15(14):1214-1221
11.	Griffin <i>et al.</i> "Toward a high-throughput approach to quantitative proteomic analysis: expression-dependent protein identification by mass spectrometry" J Am Soc Mass Spectrom. 2001 Dec;12(12):1238-1246
12.	Gygi <i>et al.</i> "Quantitative analysis of complex protein mixtures using isotope-coded affinity tags" Nat Biotechnol. 1999 Oct;17(10):994-999
13.	Han <i>et al.</i> "Quantitative profiling of differentiation-induced microsomal proteins using isotope-coded affinity tags and mass spectrometry" Nat Biotechnol. 2001 Oct;19(10):946-951
14.	Ishihama <i>et al.</i> "Simple and sensitive quantitation method for mevalonic acid in plasma using gas chromatography/mass spectrometry" Rapid Commun Mass Spectrom. 1994 May;8(5):377-380
15.	Kahn "From genome to proteome: looking at a cell's proteins" Science. 1995 Oct 20;270(5235):369-370
16.	Matsui <i>et al.</i> "Direct determination of E2020 enantiomers in plasma by liquid chromatography-mass spectrometry and column-switching techniques" J Chromatogr A. 1995 Mar 3;694(1):209-218.
17.	Matsui <i>et al.</i> "Simultaneous determination of donepezil (aricept) enantiomers in human plasma by liquid chromatography-electrospray tandem mass spectrometry" J Chromatogr B Biomed Sci Appl. 1999 Jun 11;729(1-2):147-155
18.	Neubauer <i>et al.</i> "Mass spectrometry and EST-database searching allows characterization of the multi-protein spliceosome complex" Nat Genet. 1998 Sep;20(1):46-50
19.	Oda <i>et al.</i> "Accurate quantitation of protein expression and site-specific phosphorylation" Proc Natl Acad Sci U S A. 1999 Jun 8;96(12):6591-6596

Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)			Attorney Docket No. 042715-5019		Application No. 10/579,780		
			Applicants: Yoshiya ODA <i>et al.</i>		Page 2 of 2		
PTO Form 1449 June 23, 2006			Filing Date: May 18, 2006		Group Art Unit: Unassigned		
U.S. PATENT DOCUMENTS							
Initial		Document No.	Date	Name	Class	Sub-Class	Filing Date
FOREIGN PATENT DOCUMENTS							
		Document No.	Date	Country	Class	Sub-Class	Translation
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
20.	Oda et al. "Quantitation of platelet-activating factor in biological samples using liquid chromatography/mass spectrometry with column-switching technique" Anal Biochem. 1995 Oct 10;231(1):141-150						
21.	Ong et al. "Mass spectrometric-based approaches in quantitative proteomics" Methods. 2003 Feb;29(2):124-130						
22.	Ono et al. "Clinical and experimental studies on the role of platelet-activating factor (PAF) in the pathogenesis of septic DIC" Surg Today. 1993;23(3):228-233						
23.	Romijn et al. "Recent liquid chromatographic-(tandem) mass spectrometric applications in proteomics" J Chromatogr A. 2003 Jun 6;1000(1-2):589-608						
24.	Sechi "A method to identify and simultaneously determine the relative quantities of proteins isolated by gel electrophoresis" Rapid Commun Mass Spectrom. 2002;16(15):1416-1424						
25.	Sechi et al. "Modification of cysteine residues by alkylation. A tool in peptide mapping and protein identification" Anal Chem. 1998 Dec 15;70(24):5150-5158						
26.	Sechi et al. "Quantitative proteomics using mass spectrometry" Curr Opin Chem Biol. 2003 Feb;7(1):70-77						
27.	Smolka et al. "Quantitative protein profiling using two-dimensional gel electrophoresis, isotope-coded affinity tag labeling, and mass spectrometry" Mol Cell Proteomics. 2002 Jan;1(1):19-29						
28.	Wigge et al. "Analysis of the Saccharomyces spindle pole by matrix-assisted laser desorption/ionization (MALDI) mass spectrometry" J Cell Biol. 1998 May 18;141(4):967-977						
29.	Yao et al. "Proteolytic 18O labeling for comparative proteomics: model studies with two serotypes of adenovirus" Anal Chem. 2001 Jul 1;73(13):2836-2842						
30.	Yodosha "Proteome analysis method" printed 10 July 2000 pp. 111-122 (English translation of abstract enclosed)						
31.	Zhou et al. "Quantitative proteome analysis by solid-phase isotope tagging and mass spectrometry" Nat Biotechnol. 2002 May;20(5):512-515						
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